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Title:
Perfect score:
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OM protein - protein search, using sw model
                                                                                                                                                                                                                                                                    Result
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Maximum DB seq length: 2000000000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Run on:
                                                                                                                                                                                                                                                No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                            Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                Score
100.0
100.0
100.0
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94.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                 9:
110:
111:
12:
13:
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21:
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382
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/SIDS6/gcgdata/geneseq/geneseqp/AA1981.DAT:*
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                                                                                                                                                                                                                                                                                                                                                                                                                         /SIDS6/gcgdata/geneseq/geneseqp/AA198).ANT:*
/SIDS6/gcgdata/geneseq/geneseqp/AA1990.DAT:*
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                                                                                                                                                                                                                                                Length
71
71
76
77
99
99
109
109
109
                                                                                                                                                                                                                                                DВ
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                                                                                                                     Y07234
Y07238
Y69031
B15786
Y05300
                                                                                                                                                                                                                                                                                                            SUMMARIES
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129.709 Million cell updates/sec
                                                                                                                                                                                                                                            Description
                                                                                                                                                                                Truncated monocyte Truncated monocyte
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62.3	62.6	62.6	63.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	69.9	69.9	69.9	69.9	267 69.9 97	69.9	69.9	00.0
16	16	18	11	21	21	21	21	20	20	19	16	16	13	10	16	21	21	19	18	17	16	16	13	10	18	21	21	21	21	18	18	17	۲
R87676	R87678	W13597	R06398	Y69051	Y69050	Y69049	B15785	Y26176	Y48391	W40174	R70800	R73914	R28663	P95387	R86859	Y69030	в12818	W40175	W11131	W09374	R87677	R87680	R28660	P90292	W13596	Y69060	Y69059	Y69058	в15794	\sim	W14990	W00667	100000
(24-Arg) MCP-1. H	des(2-8) MCP-1. H	chemoatt	Human MCF precurso	A chemokine recept			Human chemokine MC	Monocyte chemoattr	Human prostate can	Macrophage chemoat	Chemoattractant pr	Human monocyte che	MCF. Synthetic.	Human monocyte che	Mature MCP-1. Hom	Amino acid sequenc	Human glioma cell	Macrophage chemoat	Mature human monoc	Monocyte chemotact	(3-Ala) MCP-1. Ho	Monocyte chemotact	MCF. Synthetic.	Peptide from human	Monocyte chemoattr	A chemokine recept	A chemokine recept	A chemokine recept	Human chemokine eo	Human eotaxin. Ho	Human eosinocyte C	×	Murino acta seducire

ALIGNMENTS

RESULT Y07234

PT	DR X	PI	XX XX	XX	PR	XX.	××	PD	XX	PN	xx	SO	SO	XX	KW	KW	KW	KW	KW	××	DE	XX	DT	××	AC	××	Ħ
New amino-terminally truncated C-C chemokines have antagonistic	WPI; 1999-207108/18.	Proost P, Struyf S, Van Damme J;	(ISTF) ARS APPLIED RES SYSTEMS HOLDING NV.		29-SEP-1997; 97EP-0116863.	29-SEP-1997; 97EP-0116863.		07-APR-1999.		EP906954-A1.		Synthetic.	Homo sapiens.		pulmonary disease; skin disorder.	tumour; angiogenesis; hematopoiesis; autoimmune disease; atherosclerosis;	truncation; antagonist; medicaments; diagnosis; inflammation; infection;	regulated on activation normal T-cell expressed and secreted; RANTES;	Wild type; C-C chemokine; monocyte chemotactic protein 2; MCP2; HIV;		Truncated monocyte chemotactic protein 2 (6-76).		06-JUL-1999 (first entry)		Y07234;		Y07234 standard; protein; 71 AA.

Y07237 W42072

Amino acid sequenc Human chemokine MC C-C chemokine, MCP Wild type monocyte Wild type monocyte Human MC proprotei Human beta-chemoki

Chemokine hMCP2. Chemoattractant MC

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CCCXSSXTT PTTTX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This sequence
 protein
                                     Claim 4; Fig 1;
                                                                            New amino-terminally truncated C-C activity for treatment of immune,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents a truncated C-C chemokine monocyte chemotactic protein 2 (MCP2) containing amino acids 6-76 of the mature protein. The invention relates the generation of amino-terminal truncated C-C chemokines, having chemokine antagonistic activity. The new chemokines are useful as medicaments, for diagnosis and/or treatment of diseases which require antagonistic activity of a chemokine e.g. inflammatory diseases, HIV infection, tumours, and angiogenesis—and hematopoiesis—
                                                                                                                                                                        (ISTF ) ARS APPLIED RES SYSTEMS HOLDING NV
                                                                                                                                                                                                 19-DEC-1997;
29-SEP-1997;
                                                                                                                                                                                                                                         10-MAR-1998;
                                                                                                                                                                                                                                                                    31-MAR-1999
                                                                                                                                                                                                                                                                                                                                                             pulmonary
                                                                                                                                                                                                                                                                                                                                                                          Wild type; C-C chemokine; monocyte chemotactic protein 2; MCP2; HTV; regulated on activation normal T-cell expressed and secreted; RANTES truncation; antagonist; medicaments; diagnosis; inflammation; infect tumour; angiogenesis; hematopoiesis; autoimmune disease; atheroscler
                                                                                                                                                                                                                                                                                                                                                                                                                                          Truncated monocyte chemotactic protein 2 (6-76).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               diseases, HIV infection, tumours, and angiogenesis and immacoposed related diseases, including auto-immune diseases, atherosclerosis, pulmonary diseases and skin disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim
                                                                                                                                                                                                                                                                                                                                     Homo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Y07238
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       diseases
                                                                                                                                                                                                                                                                                                                       ynthetic.
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                                                                                                                                                                                                                                                                                                                                     sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hldqifqnlkp 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Fig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   for treatment of
                                                                                                                                                                                                                                                                                                                                                             disease;
 (MCP2)
                                                                                                                                              Struyf S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ĀĀ;
            represents a truncated
                                                                                                                                                                                                 97EP-0122471.
97EP-0116863.
                                                                                                                                                                                                                                         98EP-0104216
                                    29pp;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29pp; English
 containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      protein;
                                                                                                                                                                                                                                                                                                                                                             skin disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%;
                                      English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  immune,
 amino
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 382; DB 20;
Pred. No. 1.2e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
ted C-C
acids 6
                                                                         inflammatory and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  inflammatory and infectious
                                                                                       chemokines have antagonistic
C chemokine monocyte chemotactic
6-76 of the mature protein.
                                                                                                                                                                                                                                                                                                                                                                          and secreted; RANTES;
inflammation; infection;
disease; atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                             infectious
                                                                                                                                                                                                                                                                                                                                                                            atherosclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0;
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RESULT
Y69031
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
        The present sequence represents a chemokine receptor ligand. The present ligand can be incorporated into the conjugates of the invention. The specification describes a conjugate, comprising a targeted agent and a chemokine receptor ligand. The conjugate binds to a chemokine receptor resulting in internalisation of the targeted agent in cells bearing the receptor. The conjugates are used for formulating a medicament or for treating disorders associated with inflammatory responses resulting from activation, proliferation and migration of immune effector cells. The
                                                                                                                                                                                                                A new therapeutic agent comprising a conjugate for treating tissue damage and other disease conditions like Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   secondary tissue damage; central nervous system injury; CNS inflammatory disease; neurodegenerative disorder; he inflammatory eye disease; inflammatory bowel disease; inflammatory bowel disease; inflammatory kidney; renal dinflammatory joint disease; inflammatory hasal disease; inflammatory nasal disease; inflammatory nasal disease; inflammatory thyroid disease; thyroiditis; cytokine-regu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates the generation of amino-terminal truncated C-C chemokines, having chemokine antagonistic activity. The new chemokines are useful as medicaments, for diagnosis and/or treatment of diseases which require antagonistic activity of a chemokine e.g. inflammatory diseases, HIV infection, tumours, and angiogenesis- and hematopoiesis-related diseases, including auto-immune diseases, atherosclerosis, pulmonary diseases and skin disorders.
                                                                                                                                                                 Disclosure; Page 60;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chemokine receptor; ligand; inflammatory
                                                                                                                                                                                                                                                                                                    McDonald JR,
                                                                                                                                                                                                                                                                                                                                     (OSPR-) OSPREY PHARM LTD
                                                                                                                                                                                                                                                                                                                                                                                                      21-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                         03-FEB-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WO200004926-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        standard; protein; 76
                                                                                                                                                                                                  Parkinson's disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        sequence of chemokine receptor ligand MCP-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                71 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                                  Coggins
                                                                                                                                                                                                                                                                                                                                                                       98US-0120523
                                                                                                                                                                                                                                                                                                                                                                                                        99WO-CA00659
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                                                                                                                                                               204pp; English
                                                                                                                                                                                                and atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      inflammatory kidney; renal disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 382; DB 20;
Pred. No. 1.2e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cytokine-regulated cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        immune effector cell;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         heart disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MCP-
                                                                                                                                                                                                                  secondary
disease,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0
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The present invention concerns the identification of a number chemokines which can be used to produce derivatives, agonists antagonists which are then useful in disease treatment. The chinclude sequences B15785-B15794, B15803-B15813 and B15831-B158
                                                                                                                   New peptide 3, amide and heterocyclic compounds and saccharide conjugates used for inhibiting chemokine induced activity and treating e.g. stroke, vascular diseases, autoimmune diseases a
                                                                                                                                                                                                                              Grainger DJ,
                                                                            Example
                                                                                                                                                                                    N-PSDB;
                                                                                                                                                                                                                                                                                         01-DEC-1999;
                                                                                                                                                                                                                                                                                                       12-JAN-1999;
17-MAR-1999;
                                                                                                                                                                                                                                                                                                                                                                                 20-JUL-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Macrophage recruitment; chemokine derivative: MCP-1; osteoporosis; monocyte chemoattractant protein-1; inflammation; atherosclerosis; HIV; AIDS; stroke; psoriasis; autoimmune disease; hypertension; endotoxaemia; basophil mediated disease; myocardial infarction; acute ischaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             central nervous system (CNS) injury, CNS inflammatory diseases, neurodegenerative disorders, heart disease, inflammatory eye disease inflammatory bowel diseases, inflammatory joint diseases, inflammatory kidney or renal diseases, inflammatory lung diseases, inflammatory nasal diseases, inflammatory thyroid diseases such as thyroiditis, casal diseases, inflammatory thyroid disease such as thyroiditis, casal diseases, inflammatory thyroid disease such as thyroiditis, casal diseases, inflammatory thyroid disease such as thyroiditis, casal diseases.
                                                                                                                                                                                                                                                          (NEOR-) NEORX
                                                                                                                                                                                                                                                                                                                                                                                                               WO200042071-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Misc-difference
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human chemokine MCP-2 SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-JAN-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      B15786;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                B15786 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                  12-JAN-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens
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99US-0452406.
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Pred. No. 1.3e-38;
; Mismatches 0;
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                                       the MCP2 sequence (this sequence). The new chemokines are useful as medicaments, for diagnosis and/or treatment of diseases which require antagonistic activity of a chemokine e.g. inflammatory diseases, HIV infection, tumours, and angiogenesis and haematopolesis related diseases. The invention also relates to the use of CD26/DPP IV for the contract of inflammatory and angiogenesis to the use of CD26/DPP IV for the contract of 
                                                                                                                                                                                                                                         This sequence represents the C-C chemokine MCP2. The invention relates to amino-terminally truncated C-C chemokines, having chemokine
                                                                                                                                                                                            26 to
                                                                                                                                                                                                                                                                                                                            Claim 4; Fig
                                                                                                                                                                                                                                                                                                                                                                                                           New amino-terminally truncated C-C activity, for treatment of immune,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          C-C chemokine;
HIV infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diseases, atherosclerosis, osteoporosis, HIV infection and AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediate diseases, endotoxaemia, myocardial infarction, acute ischaemia rheumatoid arthritis, and can be used to prevent strokes and as contraceptives. The coding sequences for the chemokines can be used therapy for the same diseases, as well as in the production
                      treatment of inflammatory,
                                                                                                                                                                                                                  antagonistic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-216695/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       atherosclerosis; pulmonary disease; skin disorder; therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C-C chemokine,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        chemokine derivatives can be used to treat diseases such as autoimmune diseases, atherosclerosis, osteoporosis, HIV infection and AIDS, psoriasis, inflammatory diseases, hypertension, basophil-mediated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Proost P,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       19-DEC-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C-C chemokine; RANTES; MCP2; chemokine antagonist; inflammatory disease; HIV infection; tumour; angiogenesis-related disease; autoimmune disease; haematopoiesis-related disease; CD26/DPP IV; immune disease; diagnosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Y05300;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hldqifqnlkp
                                                                                                                                                                                onistic activity. The truncated chemokines are specifically residues 91 of the RANTES sequence (see Y05299) or residues 29 to 99 of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Struyf S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        77 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MCP2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97EP-0122471
                                                                                                                                                                                                                                                                                                                            30pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            protein;
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                         immune and infectious diseases,
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Pred. No. 1.3e-38;
Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                         chemokines have antagonistic inflammatory and infectious
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  the production
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                                          Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wild type; C-C chemokine; monocyte chemotactic protein 2; MCP2; HIV; regulated on activation normal T-cell expressed and secreted; RANTES; truncation; antagonist; medicaments; diagnosis; inflammation; infection; tumour; angiogenesis; hematopoiesis; autoimmune disease; atherosclerosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                   new chemokines are useful as medicaments, for diagnosis and/or treatment of diseases which require antagonistic activity of a chemokine e.g. inflammatory diseases, HIV infection, tumours, and angiogenesis and hematopoissis related diseases, including auto-immune diseases, the contraction of the co
                                                                                                                                                                                                                                                                                                                                                             This sequence represents the wild type C-C chemokine monocyte chemotactic protein 2 (MCP2). The invention relates the generation of amino-terminal truncated C-C chemokines, having chemokine antagonistic activity. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Proost P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Wild type monocyte chemotactic protein 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       06-JUL-1999
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                                                                                                                                                                                Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Fig 1; 29pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New amino-terminally truncated C-C chemokines have antagonistic activity for treatment of immune, inflammatory and infectious
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-SEP-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pulmonary disease;
                                                                                                                                                                                                                                   atherosclerosis, pulmonary diseases and skin disorders.
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                                                     Score 382; DB 20;
Pred. No. 1.7e-38;
D; Mismatches 0;
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Pred. No. 1.7e-38;
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                                                          Gaps
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                                                                                                                Query Match
Best Local
                                                                                                     Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                truncation; antagonist; medicaments; diagnosis; inflammation; infection; tumour; anglogenesis; hematopoiesis; autoimmune disease; atherosclerosis; pulmonary disease; skin disorder.
                                                                                                                                                                                                                                This sequence represents the wild type C-C chemokine monocyte chemotactic protein 2 (MCP2). The invention relates the generation of amino-terminal truncated C-C chemokines, having chemokine antagonistic activity. The new chemokines are useful as medicaments, for diagnosis and/or treatment of diseases which require antagonistic activity of a chemokine e.g.
                                                                                                                                                                                          inflammatory diseases, HIV infection, tumours, and angiogenesis- and hematopoiesis-related diseases, including auto-immune diseases, atherosclerosis, pulmonary diseases and skin disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               06-JUL-1999
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29-SEP-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Wild type; C-C chemokine; monocyte chemotactic protein 2; MCP2; HIV;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Wild type monocyte chemotactic protein
                                                                                                                                                                   Sequence
                                                                                                                                                                                                                                                                                                             Disclosure; Fig 1; 36pp; English.
                                                                                                                                                                                                                                                                                                                                                 New amino-terminally truncated C-C chemokines have antagonistic activity for treatment of immune, inflammatory and infectious
                                                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-206774/18
                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISTF ) ARS APPLIED RES SYSTEMS HOLDING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-MAR-1998;
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89
                        61 HLDQIFQNLKP 71
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                                                {\tt sipitccfnvinrkipiqrlesytritniqcpkeavifktkrgkevcadpkerwvrdsmk}
                                                              SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
hldqifqnlkp
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                                                                                                                 Similarity
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                                                                                                                                                                     99
                                                                                                     Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97EP-0122471.
97EP-0116863.
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                                                                                                    Score 382; DB 20;
Pred. No. 1.7e-38;
Pred. Mismatches 0;
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                                                                                                        Indels
                                                                                                                               Length
                                                                                                                                 99;
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W42072 standard; Protein; 109 AA.

XX
AC
W42072;
XX
DT
09-JUN-1998 (first entry)
XX
DT
W5 Human MC proprotein.
XX
Human monocyte chemotactic proprote
Mmacrophage; diagnostic assay; body
Mmacrophage; diagnostic property
Mmacrophage; diagnostic property
Mmacrophage; pharm INC.
XX
MO9802459-Al.
XX
MO9802459-Al.
XX
PN
W09802459-Al.
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MO9802459-Al.

   RESULT
W26655
ID W2
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AC W2
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DT 16
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Best Local :
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The is a human monocyte chemotactic proprotein sequence. Its cDNA was first identified in Incyte clone 965517 from a breast cDNA library. Antisense nucleotides can be used to control human MCPP expression especially where it may lead to inappropriate monocyte or macrophage activity causing damage associated with allergic responses to organs such as the lungs. Antisense nucleotides and MCPP cDNA may be used in diagnostic assays of body fluids or biopsied tissues to detect expression levels of MCPP. MCPP cDNA may also be useful for treatment of disorders such as asthma, rheumatoid arthritis, NIDDM treatment of disorders such as asthma, rheumatoid arthritis.
      16-FEB-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               treatment of disorders such as asthma, rheumatoid arthritis, NIDDM or cancer of the breast or bladder. Human MCPP protein can be used to identify agonists, antagonists or inhibitors to modulate the activity of MCPP in allergic responses or autoimmune diseases such as AIDS.
                                                                                                                                 W26655 standard;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 1; Pages 38-39; 53pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New human monocyte chemotactic proprotein - has homology to CC chemokine(s) useful for identifying agent for treating auto-immune diseases or allergic responses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Au-Young J, Coleman R, Hillman JL;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          macrophage; diagnostic assay; body fluid; lung; biopsy;
autoimmune disease; AIDS; asthma; rheumatoid arthritis; NIDDM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human monocyte chemotactic proprotein; MCCP; Incyte clone; allergy; macrophage; diagnostic assay; body fluid; lung; biopsy;
                                                                                                                                                                                                                                                                                                        99
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                                                                                                                                                                                                                                                                                                                                                                   61 HLDQIFQNLKP 71
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
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                                                                                                                                                                                                                                                                                                 hldqifqnlkp 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          71;
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(first entry)
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                                                                                                                                    Protein; 109 AA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 382; DB 15,
Pred. No. 1.9e-38;
Pred. No. 1.9e-38;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 109;
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                                                                                                                                     RESULT
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                                                                                                                                              to an expression control sequence; (2) a recombinantly produced. H1305 protein; and (3) a composition comprising an antibody which specifically reacts with the H1305 protein. The H1305 protein may be used in a composition for the treatment of a mammalian subject (claimed). It is thought to have chemokine activities and may therefore have an effect on chemotaxis or migration of blood cells. It may be useful for inhibiting viral replication, including replication of HIV, and may also be used for treatment of wounds and to raise monoclonal and polyclonal antibodies which specifically react with H1305. Such antibodies may be used for therapy of certain tumours as they are capable of blocking the ligand binding of the H1305 protein or may promote clearance of
                                                                          Y14223;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MCP-2. Its sequence was deduced from a claimed cDNA clone (see T91023) isolated from a human peripheral blood mononuclear cell cDNA library. Also claimed are: (1) a host cell, preferably mammalian, transformed with a H1306 polynucleotide operably linked
                                         29-JUL-1999 (first entry)
                                                                                                     Y14223 standard; peptide; 77 AA
                                                                                                                                                                                                                                                                                                                                                                                          Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                       the protein from the patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; Page 12-13;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This protein comprises human beta-chemokine H1305, also known as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New human beta-chemokine, H1305 and corresponding DNA - used in treatment of viral infection, e.g. HIV, and in wound healing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1997-372866/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-JAN-1996;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  10-JAN-1997;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             virus infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human beta-chemokine H1305 (MCP-2).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GEMY ) GENETICS INST INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          H1305; MCP-2; chemokine; human; chemoattractant; chemotaxis;
                                                                                                                                      10
                                                                                                                                                                                    99
                                                                                                                                                                                                                  61 HLDQIFQNLKP 71
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                                                                                                                                                                                                                                                              1 SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                                                                   |||||||||||
hldqifqnlkp 109
                                                                                                                                                                                                                                            sipitccfnvinrkipiqrlesytritniqcpkeavifktqrgkevcadpkerwvrdsmk 98
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                                                                                                                                                                                                                                                                                                                                                                                          109 AA;
                                                                                                                                                                                                                                                                                                              Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            HIV;
                                                                                                                                                                                                                                                                                                                           99.0%;
98.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          therapy; wound healing; tumour; antibody.
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                                                                                                                                                                                                                                                                                                         1;
                                                                                                                                                                                                                                                                                                                           Score 378; DB 18; Pred. No. 5.8e-38;
                                                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                            0;
                                                                                                                                                                                                                                                                                                                                        Length 109;
                                                                                                                                                                                                                                                                                                            Indels
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Chemokine hMCP2

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            AX ID
                                                                        RESULT 11
R70804
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CC This sequence represents the chemokine hMCP-2.

CC The invention relates to chemokine peptides and mimetics, particularly contributed from monocyte chemokine peptides and wariants and derivatives can inhibit or reduce or increase, peptides and variants and derivatives can inhibit or reduce or increase, cor enhancing an inflammatory response, an immune response or haematopoietic cell-associated activity at a tumour site. They can also be used for cell-associated activity at a tumour site. They can also be used for cell-associated with haematopoietic cell-associated and percent or release from basophils or mast cells. They can also be used to modulate the chemokine-induced activity of cell-associated vity of the mematopoietic cells at a preselected physiological site, to treat a coronary artery disease, myocardial infarction, custable angina pectoris, atheroselerosis, or vasculitis, lentiviral cell-associated vity of cell-associated vity of the avertebrate animal (e.g. malaria), an autoimune cell-associated vity of a mammal, to enhance wound healing, to prevent or treat asthma, organ transplant rejection, rheumatoid arthritis or cell-associated vity blavay and where leukotriene, thromboxane and/or prostaglandin are inhibited and to prevent or inhibit an indication.
                                                                                                                                                                                                                                                                                                                        Matches
                                                                                                                                                                                                                                                                                                                                             Best
                                                                                                                                                                                                                                                                                                                                                            Query Match
                                          R70804 standard; Protein;
R70804;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chemokine; immune response; monocyte chemoattractant protein-1; MCP-1; chemokine-induced activity; inflammatory response; wascular indication; haematopotetic cell-associated activity; tumour; coronary artery disease; myocardial infarction; unstable angina pectoris; atherosclerosis; asthma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Grainger DJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 128; 208pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  associated with elevated TNF-alpha
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                                                                                                                                                                          61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                           Local
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                                                                                                                                                                                                                                                          1 SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                                                                                                                     sipitccpnvinrkipiqrlesyrritniqcpkeavifktkrgkevcadpkerwvrdsnk 66
                                                                                                                                                      hldqifqnlkp
                                                                                                                                                                                                                                                                                                                        68;
                                                                                                                                                                                                                                                                                                                      Similarity 95.8
58; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                          77 AA;
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                                                                                                                                                           77
                                                                                                                                                                                                                                                                                                                                           94.0%;
95.8%;
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                                                                                                                                                                                                                                                                                                                                           Score 359; DB 20; Pred. No. 7.4e-36;
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   purified heparanases, prepared under reducing conditions and activated with transglutaminase, are given in R70786-804. Most are prepared by reverse transcription of mRNA from activated he leukocytes, then cloning of the cDNA into pVL1392 baculovirus vector, and expression in Sf9 cells in the presence of reduced
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Screening for cpds. with anti-heparanase activity - by detecting inhibition of heparin or heparan sulphate degradation, potentially useful for treating arthritis, restenosis, cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               29-JUL-1993;
13-OCT-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Chemoattractant; MCP-2; heparanase; heparin; heparan sulfate; arthritis; restenosis; cancer; wound healing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chemoattractant MCP-2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 13; Page 53; 60pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1995-082239/11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         glutathione and dithiothreitol.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens
                                                        CNS inflammatory disease; neurodegenerative disorder; heart disease; inflammatory eye disease; inflammatory bowel disease;
                                                                                    secondary tissue damage; central nervous system injury;
                                                                                             Chemokine receptor; ligand; inflammatory response; immune effector cell;
                                                                                                                        Amino acid sequence of chemokine receptor ligand eotaxin.
                                                                                                                                                  30-MAY-2000
                                   inflammatory
                                                                                                                                                                                                   Y69023 standard;
                                               inflammatory
                                                                                                                                                                                                                                                                 62
                                                                                                                                                                                                                                                                                          61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                               1 SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
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||hkdqifqnlkp
                                                                                                                                                                                                                                                                                                               67;
                                                                                                                                                                                                                                                                                                                                                                                Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                  72 AA;
                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                  (first entry)
                       thyroid disease;
                                  joint disease; inflammatory kidney; renal disease; lung disease; inflammatory nasal disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ledbetter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93US-0099866.
93US-0136117.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94WO-US08207.
                                                                                                                                                                                                   protein;
                                                                                                                                                                                                                                                                                                                                                                                90.18;
                                                                                                                                                                                                    74 AA
                                                                                                                                                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                               Score 344;
Pred. No. 4
                       thyroiditis; cytokine-regulated cancer.
                                                                                                                                                                                                                                                                                                                                                                      Mismatches
                                                                                                                                                                                                                                                                                                                                                                               4; DB 16;
4.3e-34;
                                                                                                                                                                                                                                                                                                                                                                                            Length
                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                        eotaxin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Most
ed human
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                                                                                                                                                                                                                                                                                                                                                                                                                           W00667
                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present sequence represents a chemokine receptor ligand. The present ligand can be incorporated into the conjugates of the invention. The specification describes a conjugate, comprising a targeted agent and a chemokine receptor ligand. The conjugate binds to a chemokine receptor resulting in internalisation of the targeted agent in cells bearing the receptor. The conjugates are used for formulating a medicament or for treating disorders associated with inflammatory responses resulting from activation, proliferation and migration of immune effector cells. The disorders or disease states comprise secondary tissue damage such as central nervous system (CNS) injury, CNS inflammatory type diseases, inflammatory diseases, inflammatory the diseases, inflammatory to the diseases, inflammatory to the diseases, inflammatory to the diseases, inflammatory to the diseases, inflammatory the diseases that the diseases that diseases the disease that diseases the diseases that diseases the diseases that diseases the diseases that diseases the diseases that diseases the disease that diseases the disease that disease the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A new therapeutic agent comprising a conjugate for treating secondary tissue damage and other disease conditions like Alzheimer's disease, stroke, Parkinson's disease and atherosclerosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-182542/16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     McDonald JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 22-JUL-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            03-FEB-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             21-JUL-1999;
16-FEB-1996;
                                            22-AUG-1996
                                                                                                                                        Homo sapiens
                                                                                                                                                                                                        Pancreas-derived chemokine; PANEC-1; PANEC-2; diagnosis;
                                                                                                                                                                                                                                                       Pancreas expressed chemokine-1.
                                                                                                                                                                                                                                                                                                         02-MAY-1997
                                                                                                                                                                                                                                                                                                                                                                                                  W00667 standard; Protein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cytokine-regulated
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (OSPR-) OSPREY PHARM LTD
                                                                                           WO9625497-A1
                                                                                                                                                                                    inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    64 yldqksptpkp 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity les 47; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             diseases,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Page 59;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA;
                                                                                                                                                                                       disease; cancer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-0120523
96WO-US02225.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   inflammatory thyroid disease such as thyroiditis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  69.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         204pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                       97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 267; DB 21;
pred. No. 7.5e-25;
3; Mismatches 11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0;
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RESULT 14
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Best Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The sequences given in W00667-68 represent pancreas-derived chemokines, PANEC-1 and PANEC-2. These chemokines are highly expressed and specifically expressed in the pancreas and may therefore be used in diagnostic assays based on chemokine production in cases of inflammation or disease affecting the pancreas. These assays allow the early and accurate diagnosis of pancreatic disorders, and can
                                                                                                                                                                                                                                                        Human; eosinocyte; CC type; chemokine; eotaxin; calcium; skin; small intestine; agonist; screening; antagonist; inflammation; antibody; diagnosis; assay; disorder; asthma; allergy; atopic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 8; Page 28-29; 43pp; English.
Human CC chemokine (eotaxin) active on
screening for eotaxin (ant)agonist(s),
                                                                                                                       28-FEB-1996;
05-OCT-1995;
                                                                                                                                                                                                                                                                                                           Human eosinocyte CC type chemokine eotaxin.
                                                                                                                                                                                                                                                                                                                                    01-DEC-1997
                                                                                                                                                                                                                                                                                                                                                            W14990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               differentiate between invasive diseases and genetic syndromes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       useful in diagnosis and therapy of pancreatic diseases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleotide and protein sequences for human PANEC-1 and PANEC-2 -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          N-PSDB; T33527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1996-393398/39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (INCY-) INCYTE PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-FEB-1995;
                                      N-PSDB; T62944.
                                                                                                                                                             01-OCT-1996;
                                                                                                                                                                                                            WO9712914-A1
                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                    W14990 standard; Protein;
                                                  WPI; 1997-226168/20.
                                                                          Harada
                                                                                                                                                                                    10-APR-1997
                                                                                                (SHIO ) SHIONOGI & CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity nes 47; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                             87 yldqksptpkp
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 HLDQIFQNLKP 71
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                                                                         Kitaura M, Nakajima
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        97 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Coleman R,
                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               95US-0390740.
                                                                                                                          95JP-0259067
                                                                                                                                     96JP-0041965
                                                                                                                                                             96WO-JP02851.
                                                                                                                                                                                                                                                                                                                                                                                                                                               97
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                                                                                                                                                                                                                                                                                                                                                                                     97
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 267; DB 1
Pred. No. 1e-24;
3; Mismatches
                                                                          H
              on
              eosinocytes - useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 97;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Indels
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                                                                                                                                                                                                                           leukocyte infiltration; reperfusion injury; atherosclerosis; haematologic malignancy; septic; endotoxic; shock; polymyositis; dermatomyositis; immunosuppression; immunodefi
                                                                                                                                                                                                                                                                            myasthenia gravis; juvenile onset diabetes; glomerulonephritis; autoimmune; thyroiditis; Bechet's; graft; rejection; transplantation; allograft; graft versus host; cancer;
                                                                                                                                                                                                                                                                                                                          nkylosing spondylitis; sclerosis; Sjorgen's; polymyositis; ermatcomyositis; bowel; anaphylaxis; drug; penicillin; cephalosporin; insect sting; Crohn's; ulcerative colitis; spondyloarthropathy; scleroderma; psoriasis; dermatosis; dermatitis; eczema; atopic; urticaria; necrotising; cutaneo vasculitis; myositis; fascitis; multiple sclerosis;
(LEUK-) LEUKOSITE INC
                                23-JUN-1995;
                                                               21-JUN-1996;
                                                                                                09-JAN-1997
                                                                                                                                                               Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                            accumulation; attraction; chemotaxis; diagnosis; prevention; treatment; disease; inflammation; allergy; asthma; rhinitis; hypersensitivity; lung; pneumonia; Loeffler's; syndrome; interstitial; ILD; idiopathic pulmonary fibrosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human; eotaxin; eosinophil; chemoattractant; stimulation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human eotaxin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W10099 standard; Protein; 97 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               eotaxin was derived from human small intestine, and is a specific agonist for human CC type chemokine receptor 3. It may be used to screen potential agonists and antagonists, which may be useful as anti-inflammatories. An anti-eotaxin antibody may be used in diagnostic assays for eotaxin, which is implicated in inflammatory discovers, e.g. asthma, other allergies and atopic skin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present sequence is the human eosinocyte, CC type chemokine, eotaxin, which increases calcium flux in human eosinocytes and is a human analogue of guinea pig eotaxin.
                                                                                                                                                                                                                                                                                                                                                                                                                                rheumatoid arthritis; systemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               yldqksptpkp 97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                                                                                                 radiation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pages
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AA;
                                95US-0494093
                                                                 96WO-US10723.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-28; 45pp; Japanese
                                                                                                                                                                                                             therapy; chemotherapy;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               69.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 13;
                                                                                                                                                                                                                                                                                                                                               urticaria; necrotising; cutaneous;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 267; DB 1
Pred. No. le-24;
                                                                                                                                                                                                                             immunosuppression; immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                              lupus erythematosus; SLE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                 autoimmune;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DB 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 97;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                 corticosteroid;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                         Matches
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                                                                                                                                                                                                                                                                                                                                             Degenerate primers based on the guinea pig eotaxin amino acid sequence were used for the reverse transcriptase polymerase chair reaction (RT-PCR) amplification of RNA isolated from inflamed, eosinophilic lung tissue obtained from Balb/c mice sensitised to ovalbumin. The amplification product was used as a probe to scree
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              of the skin or organs. The products can also be used to treat other diseases or conditions requiring the inhibition of undesirable inflammatory responses, including reperfusion injury, atherosclerosis, certain haematologic malignancies, cytokine induced toxicity (e.g. septic or endotoxic shock), polymyositis, dermatomyositis, immunosuppression (e.g. in individuals with immunodeficiency syndromes such as AIDS, undergoing radiation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            idiopathic pulmonary fibrosis or ILD associated with rheumatoid arthritis, systemic lupus erythematosus (SLE), ankylosing spondylitis, systemic sclerosis, Sjorgen's syndrome, polymyositis or dermatomyositis), systemic anaphylaxis or hypersensitivity responses, drug allergies (e.g. to penicillin and cephalosporins), insect sting allergies, inflammatory bowel diseases (e.g. Crohn's disease and ulcerative colitis), spondyloarthropathies,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   therapy, chemotherapy, therapy for autoimmune disease or other therapy, such as corticosteroid therapy, which causes immunosuppression), immunosuppression due to (e.g. congenital) deficiency (e.g. congenital)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           including respiratory allergic diseases (e.g. asthma, allergic rhinitis, hypersensitivity lung diseases or pneumonitis, eosinophilic pneumonias such as Loeffler's syndrome and chronic eosinophilic pneumonia, interstitial lung diseases (ILD) such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present sequence is human ectaxin (hE), an ecsinophil specific chemoattractant capable of stimulating ecsinophil accumulation and/or attracting ecsinophils (including chemotaxis). It can be used to develop products for the diagnosis, prevention of the diagnosis of the diagnosis.
                                                                                                                                                                                                                                                         Sequence
                                                                                                                                                                                                                                                                                                                          a human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                deficiency (e.g in eotaxin) or infectious diseases such as parasitic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New isolated human eotaxin gene diagnosis and treatment of e.g.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            treatment of hE associated diseases or conditions. The products can be used to treat inflammatory or allergic diseases and conditions,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disease, infections and tumours
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       маскау С,
  61 HLDQIFQNLKP 71
                                                27
                                                                                                                                                                  Local
                                           SIPITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                       1 Similarity 47; Conserv
                                                                                                                                                                                                                                                                                                                          genomic library in vector EMBL3 SP6/T7 to obtain the hE
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                                                                                                                                         Conservative
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                                                                                                                                                               69.9%;
66.2%;
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                                                                                                                                         13;
                                                                                                                                                          Score 267; DB 1
Pred. No. le-24;
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inflammation, allergies, auto-immune
                                                                                                                                         Mismatches
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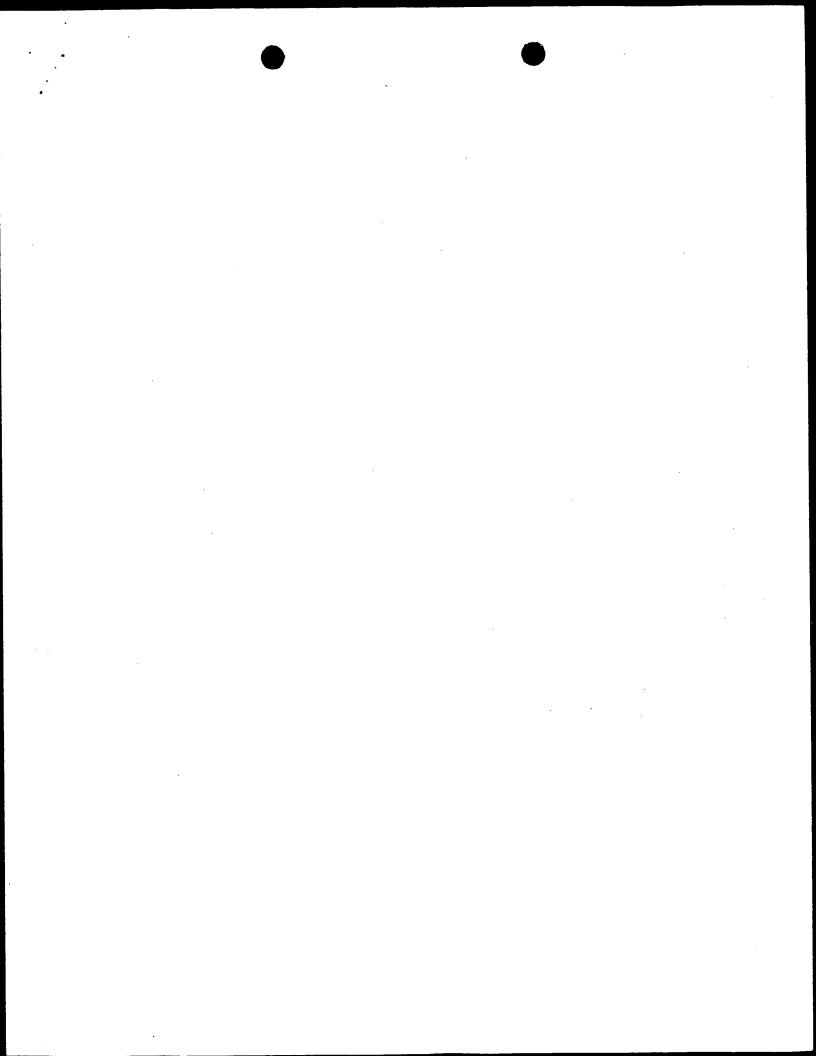
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87 yldqksptpkp

Gaps

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Search completed: May 29, 2001, 13:55:12 Job time: 128 sec



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Result
No.
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Maximum Match 100%
Listing first 45 summaries
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      number of hits satisfying chosen parameters:
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score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.
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1: /cgn2_6/ptodata/2,
2: /cgn2_6/ptodata/2,
3: /cgn2_6/ptodata/2,
4: /cgn2_6/ptodata/2,
5: /cgn2_6/ptodata/2,
6: /cgn2_6/ptodata/2,
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Match Length DB
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1 SIPITCCFNVINRK
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                     185757 seqs, 19210857 residues
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Copyright (c) 1993 - 2000 Comp
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/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
/cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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/cgn2_6/ptodata/2/iaa/PCTUS_COMB.pep:*
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                  US-08-615-232A-6
US-08-470-333-6
US-08-470-333-6
US-08-470-188-3
US-08-716-188-3
US-08-660-542-20
US-08-421-144A-6
US-08-613-822-20
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US-08-250-588-1
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PCT-US95-00605-1
US-08-127-492A-35
US-08-487-137-35
US-08-487-136B-5
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US-08-487-136B-5
US-08-487-136B-5
US-08-487-136B-5
US-08-487-136B-5
US-08-726-830A-5
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Sequence 6, Appl
Sequence 20, Appl
Sequence 20, Appl
Sequence 20, Appli
Sequence 9, Appli
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Genence 9, Appli
Genence 1, Appli
Gene 1, Appli
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Gene 2, Appli
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Gene 3, Appli
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Gene 5, Appli
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Gene 6, Appl
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Sequence 12, Appl
Sequence 1, Appl
Sequence 35, Appl
Sequence 35, Appl
Sequence 8, Appli
Sequence 19, Appl
Sequence 5, Appli
Sequence 5, Appli
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	215.5	218	219	219	227	232	233 .	233	233	233	233	233	246	246	246	246	246	246	
	56.4	57.1	57.3	57.3	59.4	60.7	61.0	61.0	61.0	61.0	61.0	61.0	64.4	64.4	64.4	64.4	64.4	64.4	
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-	US-08-613-822-4	US-08-421-144A-9	US-08-470-323-2	US-08-615-232A-2	US-08-615-232A-7	US-08-716-188-4	US-07-927-391-16	US-08-421-144A-7	US-08-613-822-18	·US-08-660-542-18	US-08-480-449-18	US-08-613-822-19	5212073-2	PCT-US96-10087-5	US-09-044-855A-5	US-09-044-856A-5	US-08-995-156A-5	US-07-927-391-24	
	Sequence 4, Appl:	Sequence 9, Appl	Sequence 2, Appli	Sequence 2, Appl	Sequence /, Appli	Sequence 4, Appli	Sequence 16, Appl	Sequence 7, Appli	Sequence 18, Appl		Sequence 18, Appl	19,		Sequence 5, Appli	Sequence 5, Appli	Sequence 5, Appli	Ü	Sequence 24, Appl	

ALIGNMENTS

US-08-615-232A-6

Sequence 6, Application US/08615232A Patent No. 5993814

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; MOLECULE TYPE: peptide US-08-615-232A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
                                                                                                                                            TELEFAX: (703) 816-4100 INFORMATION FOR SEQ ID NO: 6:
                                                                                                                                                                                                                                                                   APPLICATION NUMBER: GB 931
FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 940
FILING DATE: 29-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
                                                                                                                                                                                                                                                                                                                                                                                                                                           COUNTRY: U.S.A.

ZIP: 22201-4714

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURENTION UNMER: US/08/615,232A
FILING DATE: 13-AUG-1996
                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: 13-AUG-1990
FILING DATE: 424
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
PRIOR APPLICATION UNBER: GB 9318984
                                                                                                                                                                                      REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 57
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4000
                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 74 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TITLE OF
                                     TYPE: amino an STRANDEDNESS: TOPOLOGY: lin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 1100 NORTH GLEBE ROAD, 8TH FLOOR CITY: ARLINGTON STATE: VIRGINIA
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                                                                               amino acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INVENTION:
                                              linear
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                                                             single
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                                                                                                                                                                                                                                                                                                                                          GB 9408602
                                                                                                                                                                                                                                     550-32
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Query Match

100.0%;

Score 382;

DB 2;

Length 74;

Matches

US-08-470-323-6

GENERAL INFORMATION:

В 20 Б

64

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FILE REFERENCE: 550-33
CURRENT APPLICATION NUMBER: US/08/470,323A
CURRENT FILING DATE: 1995-06-06
EARLIER APPLICATION NUMBER: PCT/GB94/02006
EARLIER FILING DATE: 1994-09-14
EARLIER APPLICATION NUMBER: GB 9318984.3
EARLIER FILING DATE: 1993-09-14
EARLIER APPLICATION NUMBER: GB 94086902.2
EARLIER APPLICATION NUMBER: GB 94086902.2
                                                                                                                                                                                                                                                                                                                                                  Sequence 20, Application US/08480449 Patent No. 5688927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 100.0%; Score 382; DB 3; Length 74; Best Local Similarity 100.0%; Pred. No. 2.3e-43; Matches 71; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6, Application US/08470323A Patent No. 6031080
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                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
PLICANT: GRIFETHS-JOHNSON, DAVID A.
PLICANT: HSUAN, JOHN J.
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NUMBER OF SEQ ID NOS: 11
                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                        APPLICANT: Godiska, Ronald
APPLICANT: Gray, Pattick W.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                            CITY: Chicago
STATE: Illinois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        64 HLDQIFQNLKP 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61 HLDQIFQNLKP 71
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                                                                                                       60606-6402
                                                                                                                                                                                    E: Marshall, O'Toole, Gerstein, Murray & Borun 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                       United States of America
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
PatentIn Release #1.0, Version #1.25
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Sequence 3, Application US/08716188
Patent No. 5908829
GENERAL INFORMATION:
APPLICANT: KELLY, RODNEY W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 밁
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                                              CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION UMBER: PCT/GB95/00733
FILING DATE: 31-MAR-1995
PRIOR APPLICATION UMBER: GB 9406463.1
APPLICATION NUMBER: GB 9406463.1
FILING DATE: 31-MAR-1994
ATTORNEY/AGENT INPORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                        SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: KELLY, RODNEY W
TITLE OF INVENTION: USE OF MCP-1 FOR INDUCING RIPENING OF
TITLE OF INVENTION: THE CERVIX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
                                                                                                                                                                                                                                                                                                                                                                                                                          STREET: LIVE OF THY: ARLINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,449
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TELEFAX: 312,
TELEFAX: 25-3856
                                                                                                                                                                                                                      APPLICATION NUMBER: FILING DATE: 30-SEP
                                                                                                                                                                                                                                                                                              COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
              NAME: SADOFF, B.J. REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY: U
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               66 HLDQIFQNLKP 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
OTHER INFORMATION: "Hu MCP-2"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                              E: NIXON & VANDERHYE P.C.
                                                                                                                                                                                                                                                                                                                                                                                                       USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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                                                                                                                                                                                                                  30-SEP-1996
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 382; DB 1; 100.0%; Pred. No. 2.4e-43;
                                                                                                                                                                                                                                         US/08/716,188
                                                                                                                                                           PCT/GB95/00733
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US-08-470-323-6

TYPE: PRT ORGANISM: human

SEQ ID NO 6

LENGTH: 74

US-08-480-449-20

ZIP:

COUNTRY:

STREET: ADDRESSEE:

SOFTWARE:

TELEFAX: 703-816-4100 INFORMATION FOR SEQ ID NO:

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TELECOMMUNICATION INFORMATION:

TELEPHONE:

703-816-4091

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US-08-660-542-20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Patent No. 5932703
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 100.0%; Score 382; DB 2; Best Local Similarity 100.0%; Pred. No. 2.4e-43;
                                                                                                                                                   NAME: Gass, David A.
REGISTRATION NUMBER: 38,153
REFERENCE/DOCKET NUMBER: 2786
TELECOMMUNICATION INFORMATION:
TELEPHONE: 312/474-6300
TELEFAX: 312/474-0448
                                                                                           TELEX: 25-3856
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CORRESPONDENCE ADDRESS:
ADDRESSEE: Marshall, O'Toole, Gerstein, Murray & Borun
STREET: 6300 Sears Tower, 233 South Wacker Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE CHARACTERISTICS
                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/558,658
FILING DATE: 16-NOV-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/479,620
FILING DATE: 07-JUN-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: GOdiska, Ronald
APPLICANT: Gray, Patrick W.
TITLE OF INVENTION: MACROPHAGE DERIVED CHEMOKINE AND CHEMOKINE
TITLE OF INVENTION: ANALOGS
                                                                                                                                                                                                                                                                       ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                               SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQUENCES:
  MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         66 HLDQIFQNLKP 76
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                                                                                                                                                                                                                                                                                                                                                                                                                          FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CITY: Chicago
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                  STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                        CLASSIFICATION: 514
                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER:
                                                                         LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       60606-6402
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                                                       1: 76 amino acids amino acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
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peptide
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                                                                                                                                                                                                                  27866/33318
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                                                                    US-08-347-492B-9
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Best Local :
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Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 29-NOV-1994
PRIOR APPLICATION DATA: 08/303,241
APPLICATION UNHER: 08/303,241
FILING DATE: 07-SEP-1994
APPLICATION NUMBER: 08/320,011
FILING DATE: 05-OCT-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
                                                                                                                                                                                                                                             TELEFAX: 415-852-0195 INFORMATION FOR SEQ ID NO:
                                                                                      MOLECULE TYPE: pept:
IMMEDIATE SOURCE:
LIBRARY: GENBANK
CLONE: GI 126829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
TITLE OF INVENTION: PRODUCTION AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Wilde, Craig G. APPLICANT: Hawkins, Philli
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: FastSEQ Vers
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                               REGISTRATION NUMBER: 33,954
REFERENCE/DOCKET NUMBER: PF
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT:
                                                                                                                                                                                                            SEQUENCE CHARACTERISTICS: LENGTH: 77 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             y Match 100.0%; Score 382; DB 2; Local Similarity 100.0%; Pred. No. 2.4e-43; hes 71; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        66 HLDQIFQNLKP 76
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STREET: 3174 POR CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/08/347,492B FILING DATE: 29-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COUNTRY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: amino acid
STRANDEDNESS: sir
                                                                                                                                                                                                                                                                              TELEPHONE:
                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94304
                                                                                                                                                                                                                                                                                                                                                    Luther, Barbara
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hawkins, Phillip R.
Bandman, Olga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   U.S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FastSEQ Version 1.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IBM Compatible
                                                                                                                                                          linear
                                                                                                                                                                                                                                                                                  415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Diskette
                                                                                                                                                                           single
 100.0%;
   Score 382; DB 1;
Pred. No. 2.4e-43;
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US-08-798-143-9
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US-08-421-144A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                TELEFAX: 415-52.
TELEFAX: 415-52.
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
FRIGHH: 77 amino acids
                        Sequence 9, Application US/08798143 Patent No. 5936068 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/08421144A Patent No. 5874211
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
      APPLICANT: , Wilde, Craig G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELECOMMUNICATION INFORMATION: TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: LBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                 MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: BANDMAN, OLGA
APPLICANT: COLEMAN, ROGER
APPLICANT: STUART, SUSAN (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: STUART, SUSAN G
TITLE OF INVENTION: NEW CHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQUENCES:
                                                                                                                                                           61 HLDQIFQNLKP 71
                                                                                                                                           67 HLDQIFQNLKP 77
                                                                                                                                                                                                                                                                                                                                                                                               STRANDEDNESS:
TOPOLOGY: li
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICATION NUMBER: US/01
FILING DATE: 13-APR-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                              Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Luther, Barbara REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Palo Alto
STATE: CA
                                                                                                                                                                                                     COMPUTER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADDRESSEE: INCYTE PHARMACI STREET: 3174 Porter Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEPHONE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    67 HLDQIFQNLKP 77
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                                                                                                                                                                                                                                                                                              Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                               amino acid
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                                                                                                                                                                                                                                                                              Conservative
                                                                                                                                                                                                                                                                                                                                                                                                 linear
                                                                                                                                                                                                                                                                                                                                                                                protein
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                                                                                                                                                                                                                                                                                                                                                                                                               single
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                                                                                                                                                                                                                                                                                          100.0%; Score 382; DB 2; 100.0%; Pred. No. 2.4e-43;
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                                                                                                                                                                                                                                                                            Mismatches
                                                                                                                                                                                                                                                                                                          Length 77;
                                                                                                                                                                                                                                                                          0;
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                                                                                                                                                      US-08-613-822-20
                                                                                                                                                                       RESULT
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                                                                                               Sequence 20, Application US/08613822 Patent No. 6174995 GENERAL INFORMATION:
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Matches
                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 77 amino acids
TYPE: amino acid
                                           APPLICANT: Li, Haodong
TITLE OF INVENTION: Human Chemokine Polypeptides
NUMBER OF SEQUENCES: 20
                                  CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 05-OCT-1994
ATTORNEY/AGENT INFORMATION:
NAME: Luther, Barbara J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              IMMEDIATE SOURCE:
LIBRARY: GENBANK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION: TELEPHONE: 415-855-0555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDIUM TYPE: Diskett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Hawkins, Phillip R.
APPLICANT: Bandman, Olga
APPLICANT: Seilhamer, Jeffrey J.
TITLE OF INVENTION: EXPRESSED CHEMOKINES, THEIR
TITLE OF INVENTION: PRODUCTION AND USES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSE: Incyte Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                    Local 5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUMBER OF SEQUENCES:
ADDRESSEE: Human Genome Sciences, Inc. STREET: 9410 Key West Avenue
                                                                                                                                                                                                                      67 HLDQIFQNLKP 77
                                                                                                                                                                                                                                                       61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                            LIBRARY: GENBANK CLONE: GI 126829
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Luther, Barbara REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 08/3 FILING DATE: 07-SEP-1994 APPLICATION NUMBER: 08/3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: 08/3 FILING DATE: 29-NOV-1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Incyte Pharmace
STREET: 3174 Porter Drive
CITY: Palo Alto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE: 10
CLASSIFICATION:
                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEFAX:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OPERATING SYSTEM:
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                                                                                                                                                                                                                                                                                                                                                       100.0%; Score 382; DB 2; ilarity 100.0%; Pred. No. 2.4e-43; Conservative 0; Mismatches 0;
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RESULT

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COMPUTER READABLE FORM:

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CITY: Rockville STATE: MD

COUNTRY:

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US-07-956-862A-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1, Application US/07956862A Patent No. 5413778
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: KUNKEL, SALLA APPLICANT: LYLE, LEON R.
APPLICANT: LYLE, LEON R.
APPLICANT: STRIETER, ROBERT M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION.
ATTORNEY/AGENT INFORMATION:
NAME: Millstein, Larry S
NAME: Millstein, Larry S
14,679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/613,822
                                                                                    CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/0
FILING DATE: 05-OCT-1992
                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELECOMMUNICATION INFORMATION: TELEPHONE: 301-309-8504
CLASSIFICATION: 424
ATTORNBY/AGENT INFORMATION:
NAME: REPPER, GEORGE R.
REGISTRATION NUMBER: 31,414
                                                                                                                                                                                                                                                                                                                                                                                                                                               TITLE OF INVENTION: TITLE OF INVENTION:
                                                                                                                                                                                                                                                                                                                                                                                                   NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: 301-309-8512 FORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                        STREET: Suite .--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      61 HLDQIFQNLKP 71
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: amino acids
                                                                                                                                                                     COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
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CLASSIFICATION:
                                                                                                                                                          SOFTWARE:
                                                                                                                                                                                                                                                                                          COUNTRY:
                                                                                                                                                                                                                                                                                                                    STATE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           47; Conservative
                                                                                                                                                                                                                                                                       20004
                                                                                                                                                                                                                                                                                                                 D. C
                                                                                                                                                                                                                                                                                                                                                         E: Rothwell, Figg, Ernst & Kurz
Suite 701-E, 555 Thirteenth St., N.W
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                                                                                                                                                                                                                                                                                          U.S.A.
                                                                                                                                                          PatentIn Release #1.0, Version #1.25
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66.2%; Pred. No. 3.3e-28;
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                                                                                                                US/07/956,862A
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US-08-250-958-1
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GENERAL INFORMATION:
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Best Local Similarity
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TELEPHONE: (202)783-6040
TELEPAX: (202)783-6031
INFORMATION FOR SEQ ID NO: 1:
                                                                                                                                INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: STRIETER, ROBERT M.
TITLE OF INVENTION: THERAPEUTIC TREATMENT FOR INHIBITING
TITLE OF INVENTION: VASCULAR RESTENOSIS
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             HYPOTHETICAL: NO FRAGMENT TYPE: N-terminal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: pept
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LENGTH: 76 amino acids
                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/965,678
FILLING DATE: 22-OCT-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
                                                                                                                                                                 TELECOMMUNICATION INFORMATION: TELEPHONE: (202)783-6040
                                                                                                               SEQUENCE CHARACTERISTICS:
     HYPOTHETICAL:
                      MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                              APPLICATION NUMBER: US/0 FILING DATE: 27-MAY-1994 CLASSIFICATION: 514
                                                                                                                                                                                                                    NAME: WALKER, Barbara W. REGISTRATION NUMBER: 35,
                                                                                                                                                                                                                                                                                                                                                                                                                                                      MEDIUM TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ZIP: 20004
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                                     STRANDEDNESS:
TOPOLOGY: li
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                                                                                            LENGTH:
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                                                                           amino acid
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Suite 701-E, 555 Thirteenth St., N.W
                                                                                            76 amino acids
                                                                                                                              : (202)783-6031
(202)783-8031
(202)783-8031
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              KUNKEL, STEVEN L.
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                                         linear
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NO
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                                                   Query Match
Best Local Similarity
                                      Matches
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Best Local
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                                                                                                                                           MOLECULE TYPE: FRAGMENT TYPE:
                                                                                                                                                                                                                                                                                                  REGISTRATION NUMBER: 35,400
REFERENCE/FOCKET NUMBER: 2077-205A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)783-6040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Lyle, Leon R.
APPLICANT: Kunkel, Steven L.
APPLICANT: Strieter, Robert M.
APPLICANT: Strieter, ROBELLED CHEMOKINE MATERIALS AND
                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: 07/95
FILING DATE: 05-0CT-1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: PatentIn Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
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TITLE OF INVENTION:
NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                SEQUENCE CHARACTERISTICS:
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ent No. 5605671
NERAL INFORMATION:
                                                                                                                                                                                             TYPE: amino acid
STRANDEDNESS: no
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: 07/956,862 FILING DATE: 05-OCT-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICATION NUMBER: US/08/235,659
FILING DATE: 29-APR-1994
CLASSIFICATION: 424
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                          TOPOLOGY:
                                                                                                                                                                                                                                                                                                                                                     NAME: WALKER, Barbara W. REGISTRATION NUMBER: 35,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 20004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                68 DKQTQTPK 75
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 63 DQIFQNLK 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
3 PITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMKHL 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  8 PVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHL 67
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 PITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMKHL 62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         D. C.
                                                                                                                                                                                                                            76 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        E: Rothwell, Figg, Ernst & Kurz
Suite 701-E, 555 Thirteenth St., N.W
                                                                                                                                                                                                                                                             : (202),...
(202)783-6031
TD NO: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       U.S.A.
                                      Conservative
                                                                                                                                                                         linear
                                                                                                                                         peptide
N-terminal
                                                                                                                                                                                             not relevant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDICAL USES THEREOF
                                                   64.4%; Score 246; DB 1 64.7%; Pred. No. 2e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                             07/956,863
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                                    Mismatches
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                                                                   DB 1; Length 76;
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                                    14;
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                                    Indels
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                                  0;
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                                 Gaps
                                  0;
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RESULT 14
US-08-615-232A-5
; Sequence 5, Application US/08615232A
; Patent No. 5993814
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US-08-716-188-2
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                                                                                                                                                                                                                Matches
                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 703-816-4100
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILING DATE: 31-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION UNMBER: GB 9
FILING DATE: 31-MAR-1994
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                        MOLECULE TYPE:
                                                                                                                                                                                                                                                                                                                                                                                                                             TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-816-4091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA: PCT/GB95/00733
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ZIP: 22201
COMPUTER READABLE FORM:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: USE OF MCP-1 FOR INDUCING RIPENING TITLE OF INVENTION: THE CERVIX
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
                                                                                                                                                                                                                                                                                                                                                  TYPE:
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TELEPHONE: 703-816-4100
                                                                                                                      63 DQIFQNLK 70
                                                                                                                                                                                                                                                                                                                       TOPOLOGY: 1:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICATION NUMBER: US/0 FILING DATE: 30-SEP-1996
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                           68 DKQTQTPK 75
                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SOFTWARE: PatentIn Release #1.0, Version #1.30
                                                                                                                                                                                                                                                                                                                                                                                                                                                           REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           REGISTRATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NAME:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE:
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                                                                                                                                                    8 PVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICADPKQKWVQDSMDHL 67
                                                                                                                                                                   ADDRESSEE:
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                                                                                                                                                                                                                                                                                                                                                    amino acid
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                                                                                                                                                                                                                                                                                                                                                                     76 amino acids
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                                                                                                                                                                                                                Conservative
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                                                                                                                                                                                                                                                                                                                         linear
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                                                                                                                                                                                                                                                                                                        peptide
                                                                                                                                                                                                            64.4%; Score 246; DB 2; L
64.7%; pred. No. 2e-25;
Mismatches 14;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GB 9406463.1
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0,

GENERAL INFORMATION:

APPLICANT:

WILLIAMS, TIMOTHY J.

JOSE, PETER J.

GRIFFITHS-JOHNSON, DAVID A.

TITLE OF INVENTION:

HSUAN, JOHN J

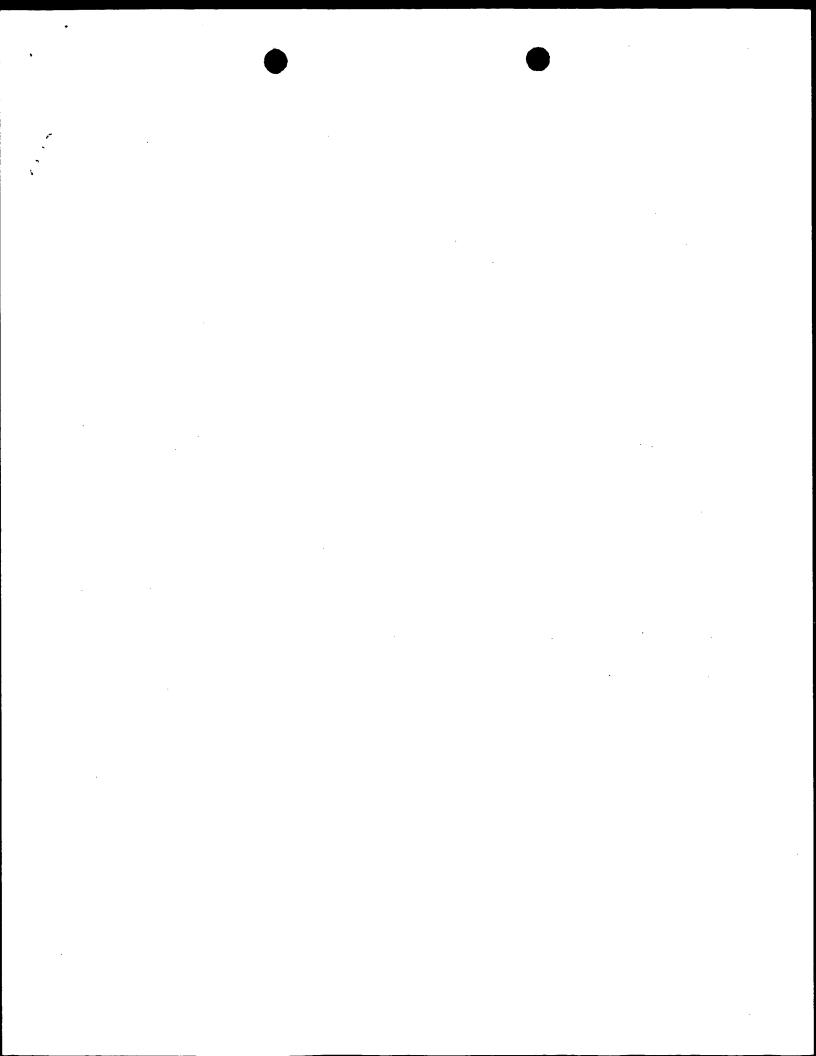
CHEMOTACTIC CYTOKINE

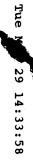
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US-08-470-323-5
Sequence 5, Application US/08470323A
Patent No. 6031080
GENERAL INFORMATION:
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ATTORNEY/AGENT INFORMATION:
NAME: WILSON, MARY J.
REGISTRATION NUMBER: 32,955
REFERENCE/DOCKET NUMBER: 550-
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4100
TELEPAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 5:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
TITLE OF INVENTION: CHEMOTACTIC CYTOKINE FILE REFERENCE: 550-33 CURRENT APPLICATION NUMBER: US/08/470,323A CURRENT FILING DATE: 1995-06-06 EARLIER APPLICATION NUMBER: PCT/GB94/02006 EARLIER FILING DATE: 1994-09-14
                                                                                                                                                                                                                                                                                     APPLICANT: WILLIAMS, TIMOTHY J.
APPLICANT: JOSE, PETER J.
APPLICANT: GRIFFITHS-JOHNSON, DAVID A.
APPLICANT: HSUAN, JOHN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     SEQUENCE CHARACTERISTICS:
LENGTH: 76 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
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APPLICATION NUMBER: GB 9318984
FILING DATE: 14-SEP-1993
APPLICATION NUMBER: GB 9408602
ETITING TATE: APPLICATION NUMBER: GB 9408602
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COUNTRY: U.S.A. ZIP: 22201-4714
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 PITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMKHL 62 | :|||:|| ||| :|||:||| || 62 || 63 || 64 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 || 65 |
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1100 NORTH GLEBE ROAD, 8TH FLOOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  64.4%; Score 246; DB 2; Length 76; 64.7%; Pred. No. 2e-25;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10; Mismatches
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; SEQ ID NO 5; LENGTH: 76; TYPE: PRT; ORGANISM: human US-08-470-323-5
                        QΥ
                                                    Вb
                                                                                          Query Match
Best Local Similarity
Whiches 44; Conserve
 밁
                                                                                                                                                                                                                                          EARLIER APPLICATION NUMBER: GB 94086902.2
EARLIER FILING DATE: 1994-04-29
NUMBER OF SEQ ID NOS: 11
                                                                                                                                                                                                                                                                                   EARLIER APPLICATION NUMBER: GB 9318984.3 EARLIER FILING DATE: 1993-09-14
68 DKQTQTPK 75
                         63 DQIFQNLK 70
                                                    Conservative
                                                                                                                     64.4%; Score 246; DB 3; Length 76; 64.7%; Pred. No. 2e-25;
                                                                                                       10;
                                                                                                          Mismatches
                                                                                                         Indels
                                                                                                         0
                                                                                                       Gaps
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Search completed: May 29, 2001, 13:55:34 Job time: 110 sec





GenCore version 4.5 Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 29, 2001, 13:54:05; Search time 21.3 Seconds (without alignments) 229.076 Million cell updates/sec

Title: Perfect score: US-09-537-859-3 382

Sequence: 1 SIPITCCFNVINRKIPIQRL.....ERWVRDSMKHLDQIFQNLKP 71

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 198801 seqs, 68722935 residues

number of hits satisfying chosen parameters:

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 45 summaries

PIR_67:*
1: pir1:*
2: pir2:*
3: pir3:*
4: pir4:* pir1:*
pir2:*
pir3:*
pir4:*

Database :

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

		,			SOURCE	
Result		% Query				
No.	Score	Match	ength	DB	ID.	ptio
<u></u>	378	99.0	99	2	JC5295	
ν	273	H	99	N	JC2417	
ω	270	•	97	N	JC4912	eotaxin precursor
)	246	64.4	99	N	A60299	monocyte chemoattr
5	237	62.0	99	N	JC2136	monocyte chemoattr
6	233	61.0	109	ν	A54678	monocyte chemotact
7	219	•	96	N	I48099	eotaxin precursor
80	212		96	N	JC2478	eotaxin precursor
9	210	•	72	N	A55984	monocyte chemotact
10	208	54.5	99	ب	A39296	
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15	189.5	49.6	120	N	148147	monocyte chemoattr
16	172.5	45.2	97	Ŋ	A48093	monocytic cytokine
17	149.5	39.1	93	N	в35673	LD78-beta protein
18	142.5	•	92	Ν	A30574	macrophage inflamm
19	138.5	36.3	92	_	A31767	macrophage inflamm
20	136.5	35.7	92	N	I46730	₩-
21	130.5	34.2	92	N	C30552	
22	129	33.8	92	N	I52322	
23	128	33.5	92	N	A32393	macrophage inflamm
24	127.5	w	114	ب	ETHUL	lymphotactin precu
25	121.5		91	ш	A28815	monocyte chemoattr
26	118.5	31.0	114	-	ETMSL	lymphotactin precu
27	116.5	30.5	91	Н	A46539	monocyte chemoattr
28	116	30.4	120	Ν	JE0177	lymphocyte and mon
29	113.	29.6	96	N	A37236	I-309 protein prec

Дb

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monocyte chemoattractant protein-2 precursor - pig
C;Species: Sus scrofa domestica (domestic pig)
C;Species: Sus scrofa domestica (domestic pig)
C;Ante: 24-Feb-1995 #sequence_revision 24-Feb-1995 #text_change 16-Jul-1999
C;Accession: JC2417
R;Hosang, K.; Knoke, I.; Klaudiny, J.; Wempe, F.; Wuttke, W.; Scheit, K.H.
Biochem. Biophys. Res. Commun. 205, 148-153, 1994
A;Title: Porcine luteal cells express monocyte chemoattractant protein-2 (MCP-2): Ana A;Reference number: JC2417; MUID:95091716

A;Molecule type: mRNA A;Residues: 1-99 <HOS2. A;Cross-references: GB.> 248480; NID:g683718; PIDN:CAA88371.1; PID:g683719 A;Experimental source: corpus luteum

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ALIGNMENTS

Oy 61 HLDQIFQNLKP 71 	QY 1 SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWYRDSMK 60 	Query Match 99.0%; Score 378; DB 2; Length 99; Best Local Similarity 98.6%; Pred. No. 1.7e-36; Matches 70; Conservative 1; Mismatches 0; Indels	C;Genetics: A;Gene: ncp-2 C;Superfamily: macrophage inflammatory protein C;Superfamily: macrophage inflammatory protein F;1-37/Domain: signal sequence #status predicted <sig> F;24-99/Product: monocyte chemotactic protein-2 #status predicted <mat></mat></sig>	A;Cross-references: GB:Y10802; NID:91924937; PIDN:CAA/1760.1; PID:91924938 A;Experimental source: bone marrow C;Comment: This protein belongs to the beta-chemokine family which is one of the majo tis and in tumor biology, and contribute to the trafficking and recuitment of the res	A; Accession: JC5295 A; Molecule type: mRNA A; Residues: 1-99 < VAN>	BIOCHEM. BIODRYS. RES. COMMUN. 231, 7407-707, 1997 A;Title: Human monocyte chemotactic protein-2: cDNA cloning and regulated expression A;Reference number: JCS295; MUID:97224420	C;Accession: JC5295 R;Van Colllie, E.; Froyen, G.; Nomiyama, H.; Miura, R.; Fiten, P.; Van Aelst, I.; Van	C;Date: 02-May-1997 #sequence_revision 18-Jul-1997 #text_change 20-Jun-2000	JC5295
	FKTKRGKEVCADPKERWVRDSMK 60	B 2; Length 99; e-36; 0; Indels 0; Gaps	d <sig>: #status predicted <mat></mat></sig>	DN:CAA/1/60.1; PID:91924938 mokine family which is one trafficking and recuitment	0.0000000000000000000000000000000000000	cDNA cloning and regulated	ura, R.; Fiten, P.; Van Ael	997	•
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C;Species: Homo sapiens (man)
C;Date: 20-Feb-1993 #sequence_revision 20-Feb-1993 #text_change 16-Jul-1999
C;Accession: A35474, A3476; S03339; I51841; A60299; A32390; A32396; A34561
                                                                                                                                                                                      C;Accession: A35474; A33476; S03339; I51841; A60299; A32300; A32396; A34561; I574 R;Shyy, Y.J; L1, Y.S.; Kolattukudy, P.E. Biochem. Biophys. Res. Commun. 169, 346-351, 1990 A;Title: Structure of human monocyte chemotactic protein gene and its regulation
                                                                                                                                                                                                                                                                                                                              monocyte chemoattractant protein 1 precursor - human N;Alternate names: GDCF-1; glioma-derived monocyte chemotactic factor 1; MCAF; MCP-1; mcN;Contains: glioma-derived chemotactic factor 2 (GDCF-2)
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A; Title
                      A;Cross-references: GB:M37719; NID:g187447; PIDN:AAA18102.1; R;Rollins, B.J.; Stier, P.; Ernst, T.; Wong, G.G. Mol. Cer. Biol. 9, 4687-4695, 1989
                                                                                                                 A; Molecule type: DNA
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A; Residues: 1-97 <BAR>
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A;Title: Human dermal fibroblasts express eotaxin: Molecular cloning, mRNA expression, A:Reference number: JC4912; MUID:96374440
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Date: 01-Nov-1996 #sequence_revision 01-Nov-1996 #text_change 20-Jun-2000
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24-28,'Q',30-99
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A;Molecule type: protein
A;Residues: 29-33,/xX',36-52;82-92 <DEC>
R;Li, Y.S.; Shyy, Y.J.; Wright, J.G.; Valente, A.J.; Cornhill, J.F.; Kolattukudy,
Mol. Cell. Biochem. 126, 61-68, 1993
A;Title: The expression of monocyte chemotactic protein (MCP-1) in human vascular
A;Reference number: 157488; MUID:94150478
                                                                                                                                  A;Cross-references: GB:S69738; NID:g545464; PIDN:AAB29926.1; R;Ye, Q.N.; Su, G.F.; Yuan, Y.; Huang, C.F. Chinese J. Microbiol. Immunol. 14, 29-32, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             R;Decock, B.; Conings, R.; Lenaerts, J.P.; Billiau, A.; Van Damme, Blochem. Blophys. Res. Commun. 167, 904-909, 1990
A;Title: Identification of the monocyte chemotactic protein from h A;Reference number: A34561; MUID:90211336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   R;Robinson, E.A.; Yoshimura, T.; Leonard, E.J.; Ialiana, J., Januara, Proc. Natl. Acad. Sci. U.S.A. 86, 1850-1854, 1989
A;Title: Complete amino acid sequence of a human monocyte chemoattractant, A;Reference number: A32396; MUID:89184525
                            A; Reference number: JC1096
A; Accession: JC1096
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A;Accession: I51841
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A;Experimental source: glioma cell line U-105MG
R:Yoshimura, T.; Loconaf, E.J.
Adv. Exp. Med. Biol. 305, 47-56, 1991
A;Title: Human monocyte chemoattractant protein-1 (MCP-1).
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A; Molecule type: mRNA
                                                                                                      A; Title: The PCR, cloning and sequencing of human monocyte
                                                                                                                                                                                                                                         A; Molecule type: mRNA
A; Residues: 1-99 <LIY>
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A; Residues: 'x', 25-99 < ROB>
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Biochem. Biophys. Res. Commun. 159, 249-255, 1989
Biochem. Eloning and sequencing of the cDNA for human
A;Reference number: A32300; MUID:89165862
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A; Residues: 1-99 <BOT
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.J.; Tanaka, S.; Griffin, P.R
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ALIGNMENTS

RP SUBUNIT. RP SUBUNIT. RX MEDLINE=97053697; PubMed=8898111; RA Kim KS., Rajarathnam K., Clark-Lewis I., Sykes B.D.; RT "Structural characterization of a monomeric chemokine: mo chemottractant protein-3."; RT chemoattractant protein-3."; RL FEBS Lett. 395:277-282(1996). CC -!- FUNCTION: CHEMOTACTIC FACTOR THAT ATTRACTS MONOCYTES,		RP SEQUENCE OF 23-99 FROM N.A. RX MEDLINE-91207938; PubMed-2518726; RA Chang H.C., Hsu F., Freeman G.J., Griffin J.D., Reinherz RT "Cloning and expression of a gamma-interferon-inducible. RT monocytes: a new member of a cytokine gene family."; RL Int. Immunol. 1:388-399(1989). RN [41]	TISSUE-Bone marrow; MEDLINE-97224420; PubMed-9070881; van Coillie E., Froyen F., Nomlyama H., Miura R., Fi van Aelst I., van Damme J., Opdenakker G.; "Human monocyte chemotactic protein-2: cDNA cloning expression of mRNA in mesenchymal cells."; Biochem. Biophys. Res. Commun. 231:726-730(1997).	SEQUENCE FROM N.A., AND VARIANT GLN-69. MEDLINE=97337052; PubMed=9119400; van Coillie E., Fiten P., Nomiyama H., Sakaki Y., M: van Damme J., Opdenakker G.; "The human MCP-2 gene (SCYA8): cloning, sequence and expression, and assignment to the CC chemokine gene chromosome 17q11.2." Genomics 40:323-331(1997).	AC P80075; P78388; DT 01-DEC-1992 (Rel. 24, Created) DT 01-DCC-1992 (Rel. 35, Last sequence update) DT 01-OCT-2000 (Rel. 40, Last annotation update) DT 01-CCT-2000 (Rel. 40, Last annotation update) DE SMALL INDUCIBLE CYTOKINE AB PRECURSOR (MONOCYTE CHEM DE (MCP-2) (MONOCYTE CHEMOATTRACTANT PROTEIN 2) (HC14). GN SCYA8 OR SCYA10 OR MCP2. OS Homo sapiens (Human). OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; RN [1]	SYDET 1
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EMBL; Y10802; CAA71760.1; -.
EMBL; Y16645; CAA776341.1; -.
HSSP; P13500; 1DOL.
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                                                            Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                   01-OCT-1996 (Rel. 34, Last sequence update)
15-JUL-1999 (Rel. 38, Last annotation update)
SMALL INDUCIBLE CYTOKINE A8 PRECURSOR (MONOCYTE CHEMOTACTIC PROTEIN (MCP-2) (MONOCYTE CHEMOATTRACTANT PROTEIN 2).
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Pfam; PF00048; IL8; 1.
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                     MEDLINE=95091716; PubMed=7999015;
                               SEQUENCE FROM N.A.
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                                                  NCBI_TaxID=9823;
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TISSUE SPECIFICITY: HIGHEST EXPRESSION FOUND IN THE SMALL INVESTINE AND PERIPHERAL BLOOD CELLS. INVERMEDIATE LEVELS SEEN IN THE HEART, PLACEMYA, LUNG, SKELETAL MUSCLE, THYMUS, COLON, OVARY, SPINAL CORD AND PANCREAS. LOW LEVELS SEEN IN THE BRAIN, LIVER,
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K.K.;
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Heparin-binding; Inflammatory response;
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Query Match
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                              EOTAXIN PRECURSOR (EOSINOPHIL CHEMOTACTIC PROTEIN). SCYAll.
                                                                                                                                                                                                                                                                                                                                                                                                                                       EOTA_HUMAN STANDARD;
F51671; F50877; Q92491; Q92491;
01-0CT-1996 (Rel. 34, Last sequent
01-0CT-2000 (Rel. 40, Last annotation)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cytokine; Chemotaxis; Signal; Heparin-binding; Inflammatory response.
SIGNAL 1 23 BY SIMILARITY.
CHAIN 24 99 SMALL INDUCIBLE CYTOKINE AB.
MOD_RES 24 24 PYRROLIDONE CARBOXYLIC ACID (BY
DISULFID 34 59 BY SIMILARITY.)
DISULFID 35 75 BY SIMILARITY.
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Ponath P.D., Qin Smith H., Shi X., Mackay C.R.;
                                                           MEDLINE=96189937;
                                                                                                                          "Human eotaxin is a specific provides a new mechanism to e nat. Med. 2:449-456(1996).
                                                                                                                                                                                                                      Garcia-Zepeda E.A.,
                                                                                                                                                                                                                                          SEQUENCE FROM N.A.
MEDLINE=96181758; PubMed=8597956;
                                                                                                                                                                                                                                                                                                           NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
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HSSP; P80098; INCV.
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SUBUNIT: MONOMER OR HOMODIMER; IN EQUILIBRIUM (BY SIMILARITY; BELONGS TO THE INTERCRINE BETA FAMILY 'C-C) (CHEMOKINE CC).
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50; Conserv
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(Rel. 40, Last annotation updat
                  9937; PubMed=8609214;
Qin S., Ringler D.J., Clark-Lewis I., Wang J.,
Li X., Gonzalo J.A., Newman W., Gutierrez-Ramos v
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries
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Maximum DB seq length: 2000000000
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Perfect score:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Run on:
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1: sp_archea:*
2: sp_bacteria:*
3: sp_fungi:*
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382
1 SIPITCCFNVINRKI
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Gapop 10.0 , Gapext 0.5
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                                                                  sp_organelle:*
sp_phage:*
: sp_plant:*
sp_rodent:*
sp_unclassified:*
sp_vertebrate:*
sp_virus:*
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sp_invertebrate:*
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pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Query Match Length	DB	ij,	Description
_ ;	255	66.8	99	9	Q9MYN4	Q9myn4 macaca fasc
2	243	63.6	76	4	Q9UDF3	Q9udf3 homo sapien
w	234	61.3	95	11	Q9QYD6	Q9qyd6 mus musculu
4	233	61.0	100	σ	Q9TTQ4	Q9ttq4 equus cabal
IJ	224	58.6	97	σ	Q9TTS6	
o	220	57.6	97	11	Q9Z121	Q9z121 mus musculu
7	219	57.3	99	σ	Q9TTQ3	Q9ttq3 equus cabal
89	218	57.1	81	σ	Q9TTQ2	Q9ttq2 equus cabal
9	211.5	55.4	79	4	095689	
10	207	54.2	148	11	Q9QYD7	Q9qyd7 mus musculu
11	206.5	54.1	97	11	Q9Z318	Q9z318 cavia porce
12	173	45.3	62	4	095690	095690 homo sapien
13	170	44.5	106	11	Q9Z292	Q9z292 cricetulus
14	164.5	43.1	75	6	Q9TTQ1	Q9ttq1 equus cabal
15	153.5	40.2	90	13	Q9PWA6	Q9pwa6 gallus gall
16	151	39.5	119	11	Q9JKC0	Q9jkc0 mus musculu
17	146.5	38.4	80	4	Q14745	
18	135.5	35.5	95	14	Q98158	Q98158 kaposi's sa
19	127.5	33.4	114	4	Q9UBD3	Q9ubd3 homo sapien

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20
81	82.5	83	85.5	85.5	85.5	87	88	88.5	91.5	91.5	96.5	97.5	97.5	97.5	99.5	100.5	100.5	101.5	104.5	107.5	119			126.5	
21.2	21.6	21.7		•										25.5				26.6	•				32.3	33.1	33.1
101	81	120	203	142	134	76	93	92	100	100	100	100	100	100	100	118	115	100	101	97	89	91	113	131	93
σ	11	14	14	14	14	11	13	11	13	13	13	13	13	13	13	14	14	13	13	13	13	4	4	11	11
Q9XSX5	Q9QZU1	Q9J5A6	Q67634	Q9IBJ7	Q9YVA9	Q9QUR9	Q9PTF8	Q9QZU2	Q9PT04	Q9PTS3	Q9PTS4	Q9PT06	Q9PT07	Q9W691	Q9PT03	Q9J2M1	Q9WRT7	Q9PT05	093238	057411	Q918E0	Q9NYA2	Q9UM74	Q9R043	09WUZ6
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ALIGNMENTS

Query Match Ouery Match Best Local Similarity 65.2%; Pred. No. 1.1e-21; Best Local Similarity 65.2%; Pred. No. 1.1e-21; Matches 45; Conservative 10; Mismatches 14; Indels 0; Gaps 3 PITCCFNVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWYRDSMKHL 62	Query M Best Lo Matches	Qу
Submitted (APR-2000) to the EMBL/GenBank/DDBJ databases. EMBL; AF276081; AAF81899.1; EMBL; AF255343; AAF67756.1; EMBL; AF255343; AAF67756.1; SEQUENCE 99 AA; 11007 MW; 433CB88C64EE7A4F CRC64;		DR RLL
SEQUENCE FROM N.A. SPECIES-M.mulatta; Studer C., Urfer R.; "Cloning and expression of rhesus monkey monocyte chemoattractant protein-1 ".		RRRRR
SEQUENCE FROM N.A. SPECIES-M.fascicularis; Studer C., Urfer R.; "Cloning and expression of cynomolgus monkey chemoattractant protein- 1."; Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.		RERE
Macaca fascicularis (Crab eating macaque) (Cynomolgus monkey), and Macaca mulatta (Rhesus macaque). Macaca mulatta (Rhesus macaque). Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Cercopithecidae; Cercopithecinae; Macaca. MCBI_TaxID=9541, 9544;		R O C C C C C C C C C C C C C C C C C C
01-OCT-2000 (TrEMBLrel. 15, Created) 01-OCT-2000 (TrEMBLrel. 15, Last sequence update) 01-OCT-2000 (TrEMBLrel. 15, Last annotation update) MONOCYTE CHEMOATTRACTANT PROTEIN-1.		
LT 1 NA OGMYNA PRELIMINARY; PRT; 99 AA. OGMYNA.	SUL	A L O RE

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Best Local Similarity
                                                            remitting/nonrelapsing experimental allergic encephalomyelitis.", J. Immunol. 163:2262-2266(1999).
                                                                                                                                                                                                                        STRAIN=SJL/J; TISSUE=SPLEEN; MEDLINE=99370037; PubMed=10438970; Teuscher C., Butterfield R.J., Ma R.Z.,
                                                                                                                                                                                                                                                                                                                                                                                     Mus musculus (Mouse).
Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2000 (TremBLrel 13, 0
01-MAY-2000 (TremBLrel 13, 1
01-OCT-2000 (TremBLrel 15, 1
SMALL INDUCIBLE CYTOKINE A12
                                                                                                                        "Sequence polymorphisms in the chemokines Scyal (TCA-3), Scya2 (monocyte chemoattractant protein (MCP)-1), and Scyal2 (MCP-5) are candidates for eae7, a locus controlling susceptibility to monopha.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INTERPRO; IPRO00827; -.
INTERPRO; IPRO01811; -.
PFAM; PFO0048; ILS; 1.
PROSITE; PS00472; SMALL_CYTOKINES_CC; 1.
SEQUENCE 76 AA; 8701 MW; 15D1ECAD82BCF075 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rollins B.J., Morton C.C., Ledbetter D.H., Eddy R.L.Jr., Shows T.B. "Assignment of the human small inducible cytokine A2 gene, SCYA2 (encoding JE or MCP-1), to 17q11.2-12: evolutionary relatedness of cytokines clustered at the same locus."; Genomics 10:489-492(1991).
                                                                                                                                                                                                        Teuscher C., Butt
Blankenhorn E.P.;
                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQUENCE FROM N.A. MEDLINE=91301709; PubMed=2071154;
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01-MAY-2000 (TrEMBLrel. 13,
01-MAY-2000 (TrEMBLrel. 13,
01-OCT-2000 (TrEMBLrel. 15,
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                                   Immunol. 163:2202-2200(1:
3L; AF065938; AAF15388.1;
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|PVTCCYNFTNRKISVQRLASYRRITSSKCPKEAVIFKTIVAKEICSDPKQKWVQDSMDHL
MGT:108224; Scya12
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63.2%;
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Last annotation update)
2 PRECURSOR.
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Last annotation updat
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 243; DB 4;
Pred. No. 1.8e-20
1; Mismatches 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MCP-1/JE.
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Sciurognathi;
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                                                                                                                                                                                                                              Zachary J.F.,
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thi; Muridae; Murinae; Mus
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                                                                                                                                                                                                                              Doerge R.W.,
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Best Local S
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                                        Q9TTS6;
01-MAY-2000 (
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Q9TTQ4;
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Q1-MAY-2000 (
Q1-MAY-2000 (
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                                                                                 Q9TTS6
           Eukaryota;
                       Bos taurus (Bovine)
                                 EOTAXIN.
                                                                                                                                                                                                                                                                                       Signal.
                                                                                                                                                                                                                                                                                                                                              SEQUENCE FROM N.A.
Benarafa C., Hamblin A.S., Cunningham F.M., Collins M.E.
"Cloning Equine CC chemokines.";
Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
EMBL; AJ251188; CAB61624.1; -.
HSSP; P51671; 1ECT.
                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INTERPRO: IPR000827; -.
INTERPRO: IPR001811; -.
PFAM; PF00048; II.8; 1.
PFROSITE; PS00472; SMALL_CYTOKINES_CC; 1.
SEQUENCE 95 AA; 10727 MW; 9DB56B029729D0B0 CRC64;
                                                                                                                                                                                                                                                                     SEQUENCE
                                                                                                                                                                                                                                                                                CHAIN
                                                                                                                                                                                                                                                                                                            PROSITE;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                    Equus caballus (Horse)
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                                                                                                                                     87 YLDE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       28 STPVTCCYNVVKQKIHVRKLKSYRRITSSQCPREAVIFRTILDKEICADPKEKWVKNSIN 87
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 SIPITCCFUVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                      G
                                                                                                                                                       HLDQ
                                                                                                                                                                           SIPITCCENVINRKIPIQRLESYTRITNIQCPKEAVIFKTKRGKEVCADPKERWVRDSMK 60
                                                                                                                                                                                                                                                                                                                       PF00048;
                                                                                                                                                                                                                     39;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               38;
                                                                                                                                                                                                                   Similarity 60.9
39; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Similarity
                                                                                                                                                                                                                                                                                                          PS00472; SMALL_CYTOKINES_CC;
    Eutheria;
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IPR001811; -.
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Α,
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Chordata; Craniata; Vertebrata; Euteleostomi; Cetartiodactyla; Ruminantia; Pecora; Bovoidea
                                                                                                                                                                                                                                                                     11247 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                Chordata; Craniata; Vertebrata; Euteleostomi; Perissodactyla; Equidae; Equus.
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13,
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                                                                                                                                                                                                                 Score 233; DB 6; pred. No. 3.3e-19;
                                                                                                                                                                                                                   16;
                                          Last annotation
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Last annotation updat
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                                                                                                                                                                                                                                                                                       POTENTIAL.
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Pred. No. 2.4e-19;
                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRT;
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  Bovoidea;
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